



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Neary, David L.

Serial No.: 10/743,505

Filing Date: December 22, 2003

For: Power Cogeneration System and Apparatus Means
For Improved High Thermal Efficiencies and Ultra-
Low Emissions

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Examiner: Kim, Tae Jun

Art Unit: 3746

Office Action Mailing Date:
February 3, 2006

Commissioner for Patents

P.O. Box 1450 Alexandria, VA 22313-1450

AMENDED RESPONSE TO OFFICE ACTION MAILED FEBRUARY 3, 2006

Amendments to the Claims

This listing of claims will replace all prior versions and listing of claims in the application:

Claims 1 - 9 (cancelled),

Claims 10 - 21 (cancelled).

Claim 22 (new): An improved partially-open oxygen-fuel fired turbine powered cogeneration cycle system, with high system thermal efficiencies and low fugitive system exhaust gas emissions for use in generating electric power and for heating of process fluids or gases exclusively using liquid or gaseous hydrocarbon fuel, the cogeneration system comprising:

(a) a gas turbine/generator unit assembly configured to operate within the partially-open cycle to develop a shaft mechanical energy output, the gas turbine power assembly including,

(1) an exhaust gas recycle compressor section configured to compress an inlet supplied re-